

## **IN THE CLAIMS:**

Claim 1 (currently amended): ~~The A~~ method for dehalogenation ~~detoxication~~ detoxification of at least one of halogenated aromatic ~~and/or~~ and cyclic compounds, characterized in that comprising: heating at least one of said halogenated aromatic ~~and/or~~ and cyclic compound ~~is heated~~ on a support matrix in a closed system at a temperature of 200 to 500 °C in the presence of copper in at least one of metallic form ~~and/or~~ and in the form of copper compounds, a hydrogen donor, carbon and at least one additional reducing substance, capable of reducing cupric and cuprous ions to ~~elementary~~ elemental copper at ~~the above~~ said temperature.

Claim 2 (currently amended): The method according to claim 1, characterized in that wherein at least one of ~~the~~ said additional reducing ~~agents~~ substance consists in of a copper compound with the character of a reducing substance.

Claim 3 (currently amended): The method according to claim 1 ~~or 2~~, characterized in that ~~the~~ wherein said support matrix is a material contaminated by the at least one halogenated aromatic ~~and/or~~ and cyclic compound intended for dehalogenation ~~detoxication~~ detoxification.